



YEAR 12 General Mathematics 2

Half-Yearly Examination

Due Date: Monday 12 th March 2018 Period 3 (Week 7)	Assessment Name: Half-Yearly Examination
Mark: x/55	Weighting: 25%
SYLLABUS OUTCOMES TO BE ASSESSED: MG2H-3 Makes predictions about situations based on mathematical models, including those involving cubic, hyperbolic or exponential functions. MG2H-4 Analyses two-dimensional and three-dimensional models to solve practical problems, including those involving spheres and non-right-angled triangles. MG2H-5 Interprets the results of measurements and calculations and makes judgements about reasonableness, including the degree of accuracy of measurements and calculations and the conversion to appropriate units. MG2H-10 Uses mathematical argument and reasoning to evaluate conclusions drawn from other sources, communicating a position clearly to others, and justifies a response. Note: As up to 30% of the assessment mark submitted to the Board of Studies may be based on the Preliminary Mathematics General course, any preliminary outcomes can be assessed. Refer to https://www.boardofstudies.nsw.edu.au/syllabus_hsc/pdf_doc/general-maths-a-and-r-stage6-from2013-general-2.pdf	
DIRECTIVES TO BE ASSESSED: Analyse: Identify components and the relationship between them; draw out and relate implications. Interpret: Draw meaning from. Predict: Suggest what may happen based on available information. Use/s: Apply, utilise, employ in a particular situation.	
TASK DESCRIPTION: You will complete an examination, covering all coursework studied in the General 2 Mathematics course so far, this could include preliminary content. The examination will involve multiple-choice questions and extended response questions. A board approved formulae sheet will be provided with your examination paper. The multiple-choice questions are worth 15 marks in total. The topics assessed are: Applications of Area and Volume Trigonometry Mathematics and Resources Algebraic Techniques The extended response questions are worth 40 marks in total. The topics assessed are: Application of Area and Volume Trigonometry Mathematics and Resources Algebraic Techniques Recommended equipment: <ul style="list-style-type: none">• Board approved scientific calculator• Pens, ruler, pencils	
ASSESSMENT CRITERIA – STUDENT CHECKLIST: Have you: <ul style="list-style-type: none">○ Revised the following topics, ensuring you have referenced syllabus documents:<ul style="list-style-type: none">○ Preliminary content○ Further Applications of Area and Volume (Chapter 2)○ Applications of Trigonometry (Chapter 5)○ Mathematics and Resources (Chapter 14)○ Further Algebraic Skills and Techniques (Chapter 3)○ Attended Maths help on Fridays if needed	